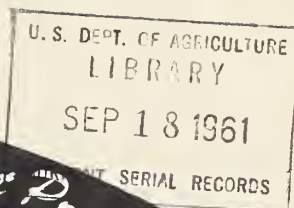


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STANDARD DHIA

OWNER SAMPLER

WEIGH-A-DAY-A-MONTH

AGRICULTURAL RESEARCH SERVICE, U. S. DEPARTMENT OF AGRICULTURE

Dairy-Herd-Improvement Letter

ARS-44-106
(Vol. 37, No. 7)

August 1961

MORE THAN 6,000,000 DHIA LACTATION RECORDS IN MASTER MAGNETIC TAPE FILE

In the operation of the automated DHIA sire-proving procedures, the Master File of DHIA lactation records is up-dated with currently reported lactation records. In the sire-proving operations now in progress, the Master File has been up-dated with current records reported up to May 1, 1961.

The tabular matter on the following page shows the number of records and number of cows, by breed, represented in the Master File as the up-dating process was completed in July 1961.

In the automated sire-proving procedures, all incoming current lactation records are given two (2) thorough edits before they are used in proving sires. The first edit is made of records as they are received from the States. The second edit is made as the new lactation records are placed in the Master File to insure against errors and discrepancies between the new data and that on file.

These two edits were completed in July. In this operation, 530,946 lactation records were "pulled" from the current records and from the Master File because of errors or discrepancies.

NOTE: Not all "pulled" records are in error. If a cow had more than one record in the edit "run", an error or discrepancy in any one record caused all records of the cow to be "pulled" for examination.

Accurate and complete reporting of lactation records is important--as pointed out in an earlier DHI Letter, the basic responsibility for recording and reporting complete and accurate data lies with the supervisor and the herd owner. No one else is in a position to assume this responsibility.

The importance of complete and accurate records is shown by the losses (time, effort, money, and opportunity to use data in proving sires) that result from the edit runs just completed, as follows:

- For each 100 lactation records of registered cows reported, editing and up-dating resulted (because of errors and/or conflicts) in approximately 13 records being "pulled" from the current and/or Master File and these records were not used in current sire-provings.
- For each 100 lactation records of nonregistered, eartagged cows reported, editing and up-dating resulted (because of errors and/or conflicts) in approximately 36 records being "pulled" from the current records and/or Master File and these records were not used in current sire-provings.

The above amply illustrates the importance in recording and reporting complete and accurate lactation records.

LACTATION RECORDS WITH ERRORS

<u>Breed</u>	<u>Number of records</u>	<u>Number of cows represented</u>	<u>Number of records per cow</u>
AYRSHIRE:			
Registered-----	241, 152	95, 851	2. 5
Nonregistered-----	25, 086	14, 044	1. 8
Total-----	266, 238	109, 895	2. 4
GUERNSEY:			
Registered-----	789, 613	332, 174	2. 4
Nonregistered-----	315, 063	173, 061	1. 8
Total-----	1, 104, 676	505, 235	2. 2
HOLSTEIN:			
Registered-----	2, 199, 079	872, 832	2. 5
Nonregistered-----	1, 478, 835	857, 644	1. 7
Total-----	3, 677, 914	1, 730, 476	2. 1
JERSEY:			
Registered-----	597, 457	240, 759	2. 5
Nonregistered-----	184, 304	98, 355	1. 9
Total-----	781, 761	339, 114	2. 3
BROWN SWISS:			
Registered-----	162, 298	63, 809	2. 5
Nonregistered-----	22, 830	13, 563	1. 7
Total-----	185, 128	77, 372	2. 4
SHORTHORN, RED DANE, AND RED POLL:			
Registered-----	52, 761	24, 922	2. 1
Nonregistered-----	17, 068	11, 309	1. 5
Total-----	69, 829	36, 231	2. 9
ALL BREEDS:			
Registered-----	4, 042, 360	1, 630, 347	2. 5
Nonregistered-----	2, 043, 186	1, 167, 976	1. 7
Total-----	6, 085, 546	2, 798, 323	2. 2

PRODUCTION RECORDS REPORTED TO THE DAIRY CATTLE RESEARCH BRANCH BY STATE EXTENSION SERVICES,
FOR THE PERMANENT FILES DURING 1960 and 1961

First 6 months of 1961										1960	
State	Cows on	Production	Herd Test Records Reported by --				Total	Records	Production		
	test in all	records	American:	Brown Swiss:	American:	American:	records	Returned:	records		
	association:	reported	Dairy	Cattle	Guernsey:	Jersey:	reported		reported		
	herds on	1/ 2/	Cattle	Breeders'	Cattle	Cattle		3/	2/		
	January 1		Club	Association:	Club	Club					
	Number	Number	Number	Number	Number	Number	Percent	Number	Number	Percent	
Maine-----	22,060	8,207	-	-	41	50	8,298	37.6	249	14,611	69.6
N. H-----	12,240	3,610	-	-	27	42	3,679	30.1	126	7,678	65.4
Vt-----	47,792	9,635	-	20	48	403	10,106	21.1	317	23,576	51.9
Mass-----	22,795	6,570	28	75	85	223	6,981	30.6	177	18,498	83.7
R. I-----	2,709	574	-	-	52	133	759	28.0	13	1,530	55.4
Conn-----	24,734	5,750	-	73	351	-	6,174	25.0	190	18,470	83.8
N. Y-----	157,305	44,694	16	-	421	533	45,664	29.0	5,185	116,247	77.0
Pa-----	156,187	54,011	-	25	552	130	54,718	35.0	5,581	124,242	89.0
N. J-----	28,235	5,643	-	75	540	187	6,445	22.8	367	14,984	54.5
Md-----	46,433	10,513	-	60	302	165	11,040	23.8	155	27,578	62.4
Del-----	3,832	1,058	-	8	98	-	1,164	30.4	24	3,538	98.4
Va-----	60,015	23,062	-	-	170	108	23,340	38.9	620	33,506	65.7
W. Va-----	9,166	2,032	-	17	6	59	2,114	23.1	36	4,400	50.4
Ky-----	17,331	3,209	-	13	89	380	3,691	21.3	110	7,011	40.4
N. C-----	34,915	8,651	-	-	424	300	9,375	26.9	232	21,565	67.2
S. C-----	13,850	3,603	-	39	300	-	3,942	28.5	80	6,973	66.1
Ga-----	22,451	3,141	-	11	116	172	3,440	15.3	82	5,979	30.3
Fla-----	21,413	2,518	-	5	195	94	2,812	13.1	51	7,150	33.1
Ala-----	20,077	2,703	-	-	28	164	2,895	14.4	55	8,983	50.5
Miss-----	8,679	664	-	10	162	215	1,051	12.1	32	2,750	35.8
Tenn-----	19,384	2,639	-	-	324	572	3,535	18.2	32	1,812	11.1
La-----	4,455	249	-	-	129	146	524	11.8	3	1,111	28.0
Ark-----	2,845	724	-	8	42	134	908	31.9	30	1,234	64.3
Ohio-----	66,656	19,914	-	302	1,313	1,300	22,829	34.2	828	32,729	54.4
Ind-----	39,237	6,367	27	65	527	424	7,410	18.9	121	20,610	57.6
Ill-----	58,090	24,104	-	166	259	264	24,793	42.7	1,420	41,463	71.2
Mich-----	66,425	27,453	-	128	179	413	28,173	42.4	1,901	64,997	106.8
Wis-----	100,325	83,629	55	105	32	147	83,968	83.7	1,925	46,487	47.0
Minn-----	114,094	30,152	-	6	134	110	30,402	26.6	976	54,364	50.7
Iowa-----	57,146	19,061	-	64	65	234	19,424	34.0	521	39,507	72.6
Mo-----	25,965	4,347	-	19	123	118	4,607	17.7	99	8,989	41.4
N. Dak-----	5,921	2,254	-	35	6	-	2,295	38.8	82	4,154	76.9
S. Dak-----	6,495	929	-	39	16	-	984	15.2	21	1,748	29.7
Nebr-----	12,010	3,173	-	9	226	36	3,444	28.7	228	2,139	16.2
Kans-----	29,024	6,172	-	30	84	97	6,383	22.0	143	13,483	51.6
Okla-----	7,930	718	-	17	173	222	1,130	14.2	37	3,386	46.1
Tex-----	24,850	2,372	-	-	187	586	3,145	12.7	47	8,962	41.0
Mont-----	5,697	1,116	-	3	40	17	1,176	20.6	14	1,178	21.2
Idaho-----	26,193	3,730	-	5	142	118	3,995	15.3	71	7,214	28.4
Wyo-----	1,937	373	-	-	16	-	389	20.1	39	109	7.6
Nev-----	3,477	93	-	-	-	101	194	5.6	4	154	5.0
Utah-----	17,456	10,902	-	-	1	11	10,914	62.5	309	2,352	14.5
Colo-----	17,464	2,069	-	3	36	59	2,167	12.4	94	1,364	8.8
N. Mex-----	4,992	619	-	-	105	75	799	16.0	43	579	14.3
Ariz-----	21,002	3,081	-	-	16	24	3,121	14.9	114	782	3.0
Wash-----	48,224	10,698	-	-	642	332	11,672	24.2	426	36,125	82.8
Oreg-----	29,696	10,549	-	-	294	685	11,528	38.8	308	14,976	52.1
Calif-----	313,615	2,728	-	37	575	370	3,710	1.2	26	4,714	1.6
P. R-----	4,507	31	-	-	-	-	31	.7	-	251	5.7
Hawaii-----	138	59	-	-	-	-	59	42.8	-	253	124.6
Alaska-----	0	87	-	-	-	-	87	-	1	-	-
U. S-----	1,867,469	480,240	126	1,472	9,693	9,953	501,484	26.9	23,545	886,495	50.8

1/ Includes cows enrolled since January 1, 1961.

2/ Production records reported on DHIA-718 and DHIA-1095.

3/ Records returned to States because of inconsistent or incomplete data.



Growth Through Agricultural Progress